



## **Drone@Home Challenge Obstacle Course Instructions**

### **Supplies:**

- Unmanned aircraft of your choice with a camera
- Obstacle A - approximately 15 inches in height (i.e., a 5-gallon bucket, small trashcan, box, etc.)
- Obstacle B - a standing object of at least 6 feet in height (i.e., pole, patio umbrella, tree, etc.)
- A landing pad
- Timer
- Tape Measure
- A visual observer
- A camera person

### **Instructions:**

#### **Step 1**

[Ensure your location is a safe place to fly.](#)

Conduct any necessary flight planning activities and make sure the visual observer understands their role. All Unmanned Aerial System (UAS) operations suggested here must be done in compliance with current law and regulation. Information about these laws and regulations can be found at <http://www.faa.org/UAS>.

#### **Step 2**

Set up your course.

Establish a landing pad that is:

10 feet way from Obstacle A; and

10 feet away from Obstacle B

#### **Step 3**

It's time to fly! Place your drone on the landing pad. The timer starts when your camera person tells you to go.

Go up 350 feet and take a 360-degree video of the landscape.

Come back down to the landing pad, hover at 3 feet, and then proceed to fly over Obstacle A, turn the camera to look down at Obstacle A from 5 feet above it. Turn the camera downward and take a photo of Obstacle A. Turn the camera towards you, smile, and take photo of yourself.





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Hover over Obstacle A and fly up 250 feet.

Proceed directly to Obstacle B (but don't fly over any people). Orbit Obstacle B once.

Fly back to Obstacle A. Fly up to 100 feet and take a 360-degree video.

Descend to 25 feet and take a selfie of your team.

Descend to 10 feet and do your best "drone dance" with the (drone) camera on you for ten seconds.

Return to the landing pad and stop the camera. This concludes your flying time!

#### **Step 4**

Post either your full video or any videos or pictures taken during the challenge on social media with your time and challenge someone else to take the FAA Drone@Home Challenge. Be sure to tag us @FAADroneZone and #DroneWeek.



Federal Aviation  
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